

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR \$1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 12800-003001	Application No. 09/835,273
	Applicant James R. LaDine et al.		
	Filing Date April 13, 2001	Group Art Unit 1641	

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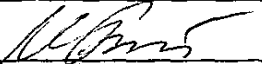
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U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
MJS	AA	5,470,753	11/28/95	Sepetov et al.			
	AB	5,547,835	08/20/96	Köster			
	AC	5,580,733	12/02/96	Levis et al.			
	AD	5,605,798	02/25/97	Köster			
	AE	5,625,184	04/29/97	Vestal et al.			
	AF	5,627,369	05/06/97	Vestal et al.			
	AG	5,691,141	11/25/97	Köster			
	AH	5,760,393	06/02/98	Vestal et al.			
	AI	5,821,063	10/13/98	Patterson et al.			
	AJ	5,851,765	12/22/98	Köster			
	AK	5,869,240	02/09/99	Patterson			
	AL	5,872,015	02/16/99	Venton et al.			
	AM	5,885,775	03/23/99	Haff et al.			
	AN	5,885,841	03/23/99	Higgs, Jr. et al.			
	AO	6,002,127	12/14/99	Vestal et al.			
	AP	6,017,693	01/25/00	Yates, III et al.			
	AQ	6,043,031	03/28/00	Köster et al.			
AR	6,051,378	04/18/00	Monforte et al.				
AS	6,054,047	04/25/00	Hindsgaul et al.				
AT	6,057,543	05/02/00	Vestal et al.				

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Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
MJS	AU	WO 99/61910	12/02/99	PCT				
	AV	WO 00/11208	03/02/00	PCT				
	AW	WO 00/29848	05/25/00	PCT				
MB	AX	WO 00/47999	08/17/00	PCT				

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Sheet 2 of 5

Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
12800-003001Application No.
09/835,273**RECEIVED****Information Disclosure Statement
by Applicant**

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant
James R. LaDine et al.Filing Date
April 13, 2001Group Art Unit
1641

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Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
MS	AY	WO 00/65353	11/02/00	PCT				
MS	AZ	WO 00/67017	11/09/00	PCT				

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
MS	AAA	Aebersold et al., "Quantitative Proteome Analysis: Methods and Applications," <u>Annals of the New York Academy of Sciences</u> , 2000, 919:33-47
	ABB	Bennick et al., "A Rapid Method for Selecting Specific Hybridoma Clones using Paramagnetic Dynabeads®," <u>Scand. J. Immunol.</u> , 1993, 38:212-214
	ACC	Blackstock and Weir, "Proteomics: quantitative and physical mapping of cellular proteins," <u>TIBTECH</u> , 1999, 17:121-127
	ADD	Borchers et al., "Identification of In-Gel Digested Proteins by Complementary Peptide Mass Fingerprinting and Tandem Mass Spectrometry Data Obtained on an Electrospray Ionization Quadrupole Time-of-Flight Mass Spectrometer," <u>Anal. Chem.</u> , 2000, 72:1163-1168
	AEE	Charlwood et al., "Analysis of N-linked Oligosaccharides Released from Glycoproteins Separated by Two-Dimensional Gel Electrophoresis," <u>Analytical Biochemistry</u> , 2000, 284:49-59
	AFF	Cordwell et al., "Subproteomics based upon protein cellular location and relative solubilities in conjunction with composite two-dimensional electrophoresis gels," <u>Electrophoresis</u> , 2000, 21:1094-1103
	AGG	Corthals et al., "The dynamic range of protein expression: A challenge for proteomic research," <u>Electrophoresis</u> , 2000, 21:1104-1115
	AHH	Dieden et al., "Isolation, identification and immunosuppressive activity of SDZ-IMM-125 metabolites from human liver microsomes," <u>Eur. J. Drug Metab. Pharmacokinetics</u> , 1999, 24:83-90
	AII	Emili and Cagney, "Large-scale functional analysis using peptide or protein arrays," <u>Nature Biotech.</u> , 2000, 18:393-397
	AJJ	Garlin et al., "Automated Identification of Amino Acid Sequence Variations in Proteins by HPLC/Microspray Tandem Mass Spectrometry," <u>Anal. Chem.</u> , 2000, 72:757-763
	AKK	Gebhardt et al., "Adhesive Peptides Selected by Phage Display: Characterization, Applications and Similarities with Fibrinogen," <u>Peptide Res.</u> , 1996, 9(6):269-278
	ALL	Gu et al., "Assays of Ligand-Human Serum Albumin Binding Using Pulsed Ultrafiltration and Liquid Chromatography-Mass Spectrometry," <u>Combinatorial Chemistry & High Throughput Screening</u> , 1999, 2:353-359
	AMM	Gygi et al., "Correlation between Protein and mRNA Abundance in Yeast," <u>Mol. Cell. Biol.</u> , 1999, 19(3):1720-1730
	ANN	Gygi et al., "Quantitative analysis of complex protein mixtures using isotope-coded affinity tags," <u>Nature Biotech.</u> , 1999, 17:994-999
	AOO	Gygi and Aebersold, "Mass spectrometry and proteomics," <u>Curr. Opin. Chem. Biol.</u> , 2000, 4:489-494
MS	APP	Gygi et al., "Measuring gene expression by quantitative proteome analysis," <u>Curr. Opin. Biotech.</u> , 2000, 11:396-401

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Substitute Disclosure Form (PTO-1449)

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Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AQQ	Gygi et al., "Evaluation of two-dimensional gel electrophoresis-based proteome analysis technology," <u>Proc. Natl. Acad. Sci. USA</u> , 2000, 97(17):9390-9395
	ARR	Hatzimanikatis et al., "Proteomics: Theoretical and Experimental Considerations," <u>Biotechnol. Prog.</u> , 1999, 15:312-318
	SS	Hatzimanikatis, "Dynamical Analysis of Gene Networks Requires Both mRNA and Protein Expression Information," <u>Metabolic Engineering</u> , 1999, 1:275-281
	ATT	Hayden et al., "Analysis of Naturally Processed Peptides Eluted from HLA DRB1 *0402 and *0404," <u>J. Neurosci. Res.</u> , 1996, 45:795-802
	AUU	Haynes and Yates III, "Proteome profiling - pitfalls and progress," <u>Yeast</u> , 2000, 17:81-87
	AVV	Humphery-Smith and Blackstock, "Proteome Analysis: Genomics via the Output Rather Than the Input Code," <u>J. Protein Chem.</u> , 1997, 16(5):537-544
	AWW	Hunt et al., "Protein sequencing by tandem mass spectrometry," <u>Proc. Natl. Acad. Sci. USA</u> , 1986, 83:6233-6237
	AXX	Islam and Lindberg, "Detection of <i>Shigella</i> Type 1 and <i>Shigella flexneri</i> in Feces by Immunomagnetic Isolation and Polymerase Chain Reaction," <u>J. Clin. Microbiol.</u> , 1992, 30(11):2801-2806
	AYY	Jackson et al., "Binding of human endothelium to <i>Ulex europaeus</i> I-coated Dynabeads: application to the isolation of microvascular endothelium," <u>J. Cell Science</u> , 1990, 96:257-262
	AZZ	Kandzia et al., "Magnetic Albumin/Protein A Immunomicrospheres. I. Preparation, Antibody Binding Capacity and Chemical Stability," <u>J. Immunological Methods</u> , 1984, 75:31-41
	AAAA	Kvalheim et al., "Elimination of B-Lymphoma Cells from Human Bone Marrow: Model Experiments Using Monodisperse Magnetic Particles Coated with Primary Monoclonal Antibodies," <u>Cancer Res.</u> , 1987, 47:846-851
	ABBB	Link et al., "Direct analysis of protein complexes using mass spectrometry," <u>Nature Biotechnol.</u> , 1999, 17:676-682
	ACCC	MacKenzie et al., "Bifunctional fusion proteins consisting of a single-chain antibody and an engineered lanthanide-binding protein," <u>Immunotechnology</u> , 1995, 1:139-150
	ADDD	Mann, "Quantitative proteomics?," <u>Nature Biotechnol.</u> , 1999, 17:954-955
	AEEE	McCormack et al., "Direct Analysis and Identification of Proteins in Mixtures by LC/MS/MS and Database Searching at the Low-Femtomole Level," <u>Anal. Chem.</u> , 1997, 69:767-776
	AFFF	Meeusen et al., "Mgm101p Is a Novel Component of the Mitochondrial Nucleoid That Binds DNA and Is Required for the Repair of Oxidatively Damaged Mitochondrial DNA," <u>J. Cell Biol.</u> , 1999, 145(2):291-304
	AGGG	Morel et al., "Towards the proteome of the rhodopsin-bearing post-Golgi compartment of retinal photoreceptor cells," <u>Electrophoresis</u> , 2000, 21:3460-3469
	AHHH	Nelson et al., "Comprehensive analyses of prostate gene expression: Convergence of expressed sequence tag databases, transcript profiling and proteomics," <u>Electrophoresis</u> , 2000, 21:1823-1831
	AIII	Nikolic et al., "Screening for Xenobiotic Electrophilic Metabolites Using Pulsed Ultrafiltration-Mass Spectrometry," <u>Combinatorial Chemistry & High Throughput Screening</u> , 1999, 2:165-175
	AJJJ	Oda et al., "Accurate quantification of protein expression and site-specific phosphorylation," <u>Proc. Natl. Acad. Sci. USA</u> , 1999, 96:6591-6596

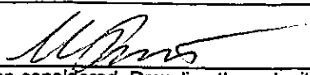
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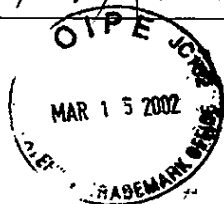
Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
mm	AKKK	Owen and Lindsay, "Ferritin as a Label for High-Gradient Magnetic Separation," <i>Biochem. J.</i> , 1983, 42:145-150
	ALLL	Ozyhar et al., "Magnetic DNA Affinity Purification of Ecdysteroid Receptor," <i>J. Steroid Biochem. Molec. Biol.</i> , 1992, 43(7):629-634
	AMMM	Panigrahi et al., "Association of Two Novel Proteins, TbMP52 and TbMP48, with the <i>Trypanosoma brucei</i> RNA Editing Complex," <i>Mol. Cell. Biol.</i> , 2001, 21(2):380-389
	ANNN	Peter et al., "Purification of Prostate-Specific Antigen from Human Serum by Indirect Immunosorption and Elution with a Hapten," <i>Analytical Biochem.</i> , 1999, 273:98-104
	AOOO	Saleh et al., "Tra1p Is a Component of the Yeast Ada-Spt Transcriptional Regulatory Complexes," <i>J. Biol. Chem.</i> , 1998, 273(41):26559-26565
	APPP	Santoni et al., "Large scale characterization of plant plasma membrane proteins," <i>Biochimie</i> , 1999, 81:655-661
	AQQQ	Santoni et al., "Towards the recovery of hydrophobic proteins on two-dimensional electrophoresis gels," <i>Electrophoresis</i> , 1999, 20:705-711
	ARRR	Search Report with abstracts dated 2000 or earlier.
	ASSS	Simpson et al., "Proteomic analysis of the human colon carcinoma cell line (LIM 1215): Development of a membrane protein database," <i>Electrophoresis</i> , 2000, 21:1707-1732
	ATTT	Soskic et al., "Functional Proteomics Analysis of Signal Transduction Pathways of the Platelet-Derived Growth Factor β Receptor," <i>Biochemistry</i> , 1999, 38:1757-1764
	AUUU	Spahr et al., "Simplification of complex peptide mixtures for proteomic analysis: Reversible biotinylation of cysteinyl peptides," <i>Electrophoresis</i> , 2000, 21:1635-1650
	AVVV	Taylor et al., "Proteomics of rat liver Golgi complex: Minor proteins are identified through sequential fractionation," <i>Electrophoresis</i> , 2000, 21:3441-3459
	AWWW	te Heesen et al., "An essential 45 kDa yeast transmembrane protein reacts with anti-nuclear pore antibodies: purification of the protein, immunolocalization and cloning of the gene," <i>Eur. J. Cell Biol.</i> , 1991, 56:8-18
	AXXX	Thomas et al., "Mass Spectrometry in Viral Proteomics," <i>Acc. Chem. Res.</i> , 2000, 33:179-187
	AYYY	Ushijima et al., "Removal of HIV antigens and HIV-infected cells in vitro using immunomagnetic beads," <i>J. Virol. Methods</i> , 1990, 29:23-31
	AZZZ	Van Breemen et al., "Pulsed Ultrafiltration Mass Spectrometry: A New Method for Screening Combinatorial Libraries," <i>Anal. Chem.</i> , 1997, 69(11):2159-2164
	AAAAA	Washburn and Yates III, "Analysis of the microbial proteome," <i>Curr. Opin. Microbiol.</i> , 2000, 3:292-297
	ABBBB	Yanagida et al., "Matrix assisted laser desorption/ionization-time of flight-mass spectrometry analysis of proteins detected by anti-phosphotyrosine antibody on two-dimensional-gels of fibroblast cell lysates after tumor necrosis factor- α stimulation," <i>Electrophoresis</i> , 2000, 21:1890-1898
	ACCCC	Yates III et al., "Direct Analysis of Protein Mixtures by Tandem Mass Spectrometry," <i>J. Protein Chem.</i> , 1997, 16(5):495-497
mm	ADDDD	Yates III et al., "Automated Protein Identification Using Microcolumn Liquid Chromatography-Tandem Mass Spectrometry," <i>Methods Mol. Biol.</i> , 1999, 112:553-569

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MM	AEEEE	Zhang et al., "Matrix-assisted laser desorption mass spectrometric peptide mapping of proteins separated by two-dimensional gel electrophoresis: Determination of phosphorylation in pepsin I," <i>Protein Science</i> , 1994, 3:677-686
MM	AFFFF	Zhao et al., "Screening Solution-Phase Combinatorial Libraries Using Pulsed Ultrafiltration/Electrospray Mass Spectrometry," <i>J. Med. Chem.</i> , 1997, 40:4006-4012



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